

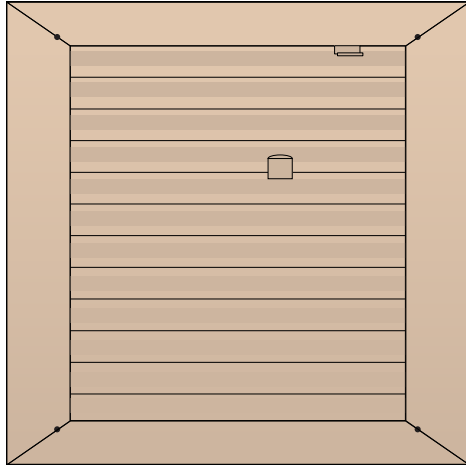
SDL-FP

Installation Instructions


Fire-Rated Steel Door Louver

For 1 3/8 in [34.9 mm] to 1 3/4 in [44.5 mm] doors

Parts List

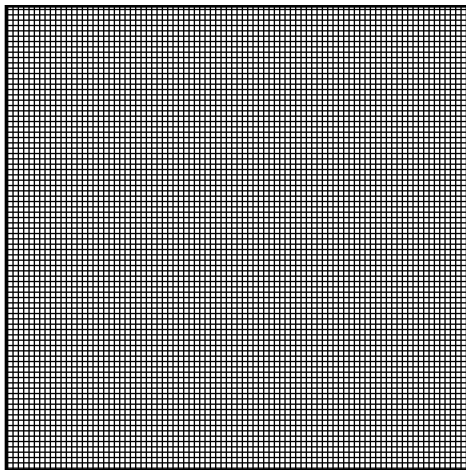


SDL-FP Louver

 **#8 x 3/4" Phillips Flat Head Screws**

 **#8 x 1/2" Phillips Flat Head Screws**

Optional Add-on Products



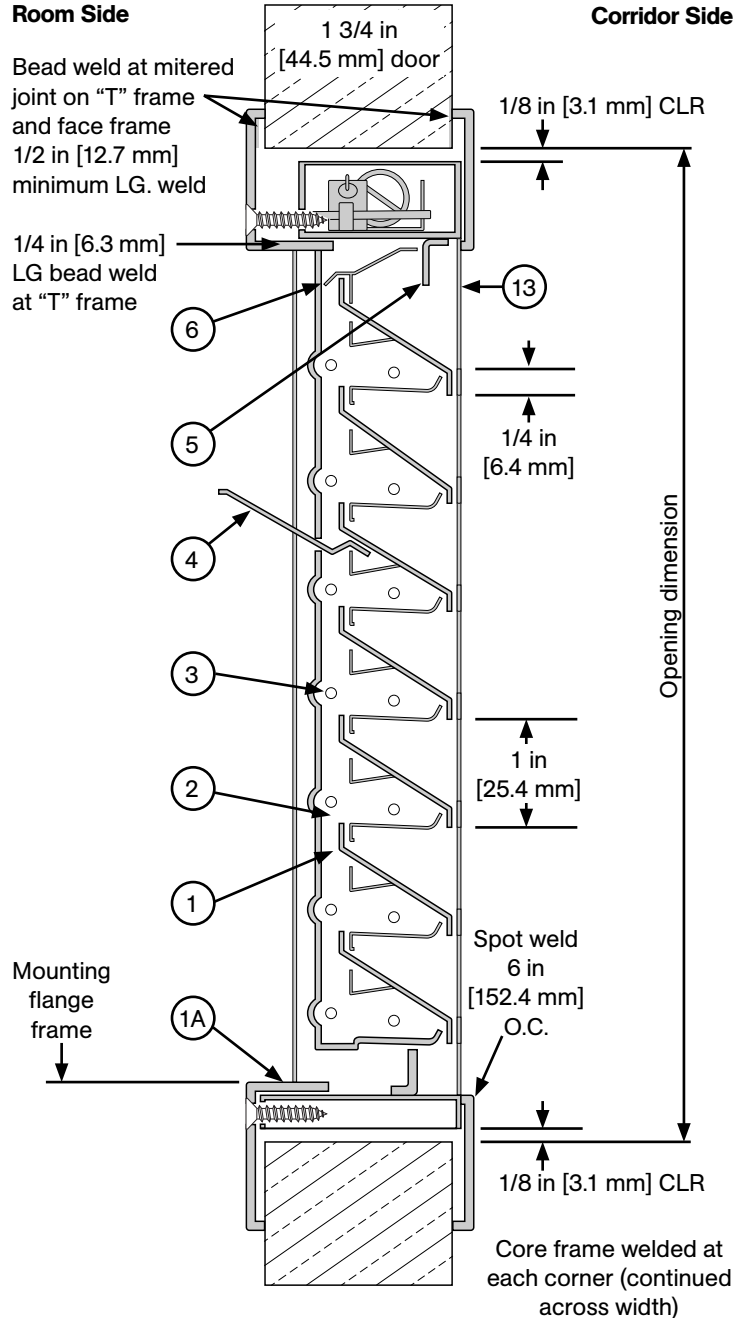
Insect Screen or Bird Screen

Fire Ratings

with UL and ITS classification marks

Tested & Listed for UL10C, and classified in accordance with UBC7-2-94, ASTM E152, CAN/ULC S104, NFPA 252. Install in accordance with NFPA80.

The Model SDL-FP is U.L. and WHI listed for use in fire doors up to 1 1/2 hour rating. Louver size shall not exceed maximum of 576 square inches, 24 in [610 mm] width and 24 in [610 mm] height. The minimum width and height shall not be less than 10 in [254 mm] and 6 in [153 mm], respectively. Louvers may be provided for classified hollow-metal type and composite type fire doors.



Specifications

- ① Louver blades 16 ga. cold roll steel
- ①A Channel frame & flange - frame 18 ga. cold roll steel
- ② Action bar 3/8" x .050 cold roll steel
- ③ Rivets - cadmium plated (.090" x .21 LG.)
- ④ Adjusting tab - position approximately 1/2 from bottom of unit (spot welded to blade)
- ⑤ Blade stop 5/8" x 3/8" x 18 ga. (.048") cold roll steel angle (spot welded to core frame)
- ⑥ Flat spring - hold blades in open position (riveted to frame)
- ⑬ Security grille - 12 ga (.10") CRS with 13/16" openings and 3/16" fret bars

Installation Steps

Step #1:

Cut hole in door to cut-out size of louver. Ensure opening is plumb and square.

Step #2:

Insert corridor side of louver into opening. Align room side of louver into cut-out against corridor side of louver.

Step #3:

Fasten #8 x 3/4" Phillips Flat Head Screws through pre-punched holes in frame on room side. Screw firmly together.

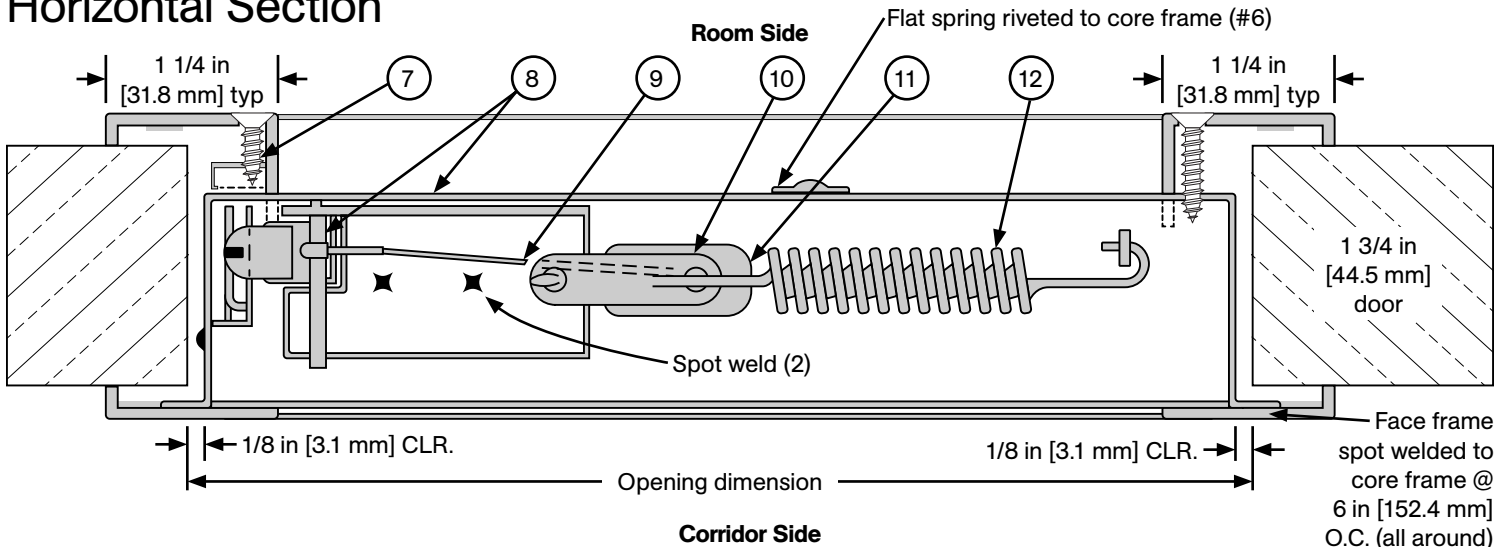
Note: Use 1/2 in [12.7 mm] screws in hole nearest to fusible link.

Step #4:

Check fusible link to assure that it is unbroken.

Note: Do not install if link is broken. Paint should not be applied to fusible link or any of connecting hardware including the hold-open clip.

Horizontal Section

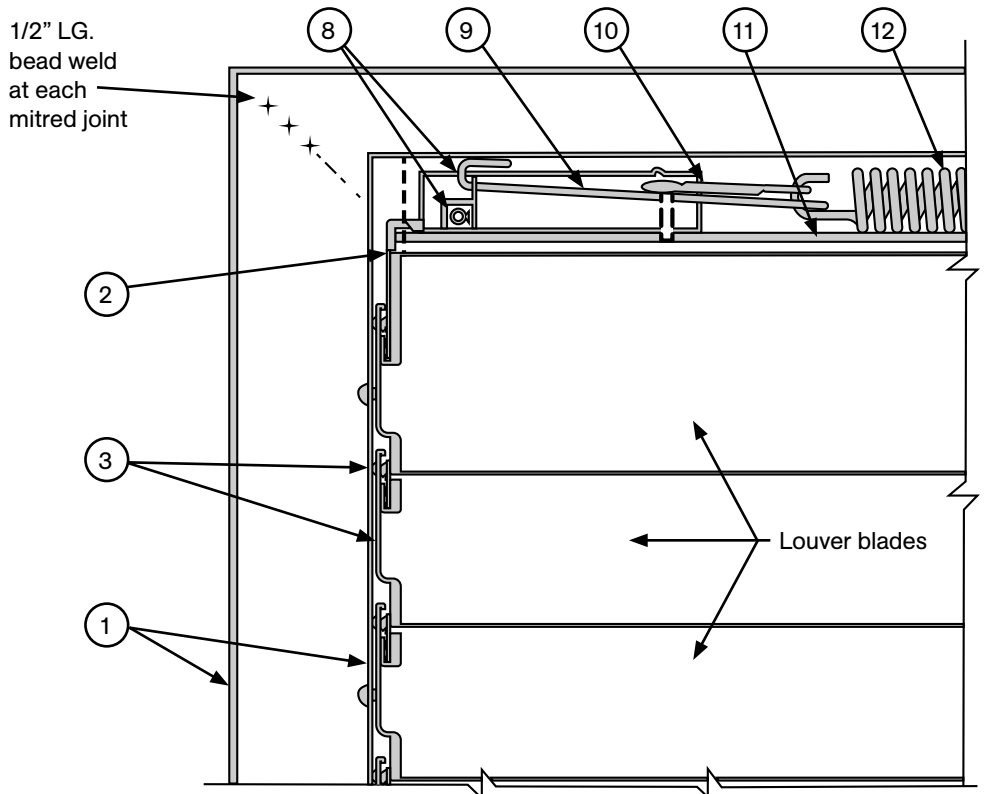


Specifications

- ① Louver blades 16 ga. cold roll steel
- ② Action bar 3/8" x .050 cold roll steel
- ③ Rivets - cadmium plated (.090" x .21 LG.)
- ⑦ Mounting screws - #8 phillips head (3 at 3/4" LG. & 1 at 1/2" LG.)
- ⑧ Rocker arm and closing bar and housing
- ⑨ "S" hook - .080" cadmium plated steel
- ⑩ Fusible link - design temp 165°F maximum
- ⑪ Heat opening - 1/2" x 1"
- ⑫ Tension spring - 3" LG. x 1/2" ø x .063" thick cadmium plated steel

Partial Front Elevation (closed position)

(Face flange removed for clarity)



Cleaning and Maintenance

Instructions

Use a soft cloth and mild soap and water.